## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

- (19) World Intellectual Property Organization International Burcau
- A PO PMP19



(43) International Publication Date 22 January 2004 (22.01.2004)

**PCT** 

(10) International Publication Number WO 2004/006922 A1

- (51) International Patent Classification<sup>7</sup>: A61K 31/445, A61P 3/06, C07D 401/04, 417/12, 417/14, 211/14, 401/12, 413/12, 409/12, 405/12, 409/14
- (21) International Application Number:

PCT/EP2003/007612

- (22) International Filing Date: 11 July 2003 (11.07.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0216224.6

12 July 2002 (12.07.2002) GB

- (71) Applicant (for all designated States except US): GLAXO GROUP LIMITED [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BOUILLOT, Anne, Marie, Jeanne [FR/FR]; Laboratoire GlaxoSmithKline, Centre de Recherches, Z.A. de Courtaboeuf, 25, avenue du Quebec, F-91940 Les Ulis (FR). DUMAITRE, Bernard, Andre [FR/FR]; Laboratoire GlaxoSmithKline, Centre de Recherches, Z.A. de Courtaboeuf, 25, avenue du Quebec, F-91940 Les Ulis (FR).

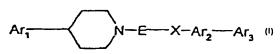
- (74) Agent: SEWELL, Richard, Charles; GlaxoSmithKline, CIP (CN925.1), 980 Great West Road, Brentford, Middlesex TW8 9GS (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ARYL PIPERIDINE DERIVATIVES AS INDUCERS OF LDL-RECEPTOR EXPRESSION FOR THE TREATMENT OF HYPERCHOLESTEROLEMIA



(57) Abstract: This invention relates to novel compounds which up-regulate LDL receptor (LDL-r) expression and to processes for their preparation, pharmaceutical compositions containing them and their medical use. More particularly, this invention relates to

novel aromatic piperidines of formula (I) and their use in therapy.